BIOTECHNOLOGY SYSTEMS BRANCH

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technica Center (STIC) detected errors when processing the following com form:

Application Serial Number: 09/424,815

Source: 1653

Date Processed by STIC: 7-26-00

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FOR FURTHER INFORMATION, PLEASE TELEPHONE MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

http://www.uspto.gov/web/offices/pac/checker

P. Robinson

1653

RAW SEQUENCE LISTING DATE: 07/26/2000
PATENT APPLICATION: US/09/424,815 TIME: 13:51:44

Input Set : A:\ubiq.txt
Output Set: N:\CRF3\07262000\I424815.raw

Does Not Comply
Corrected Diskette Needed

See pp. 1, 2

```
 3 <110> APPLICANT: Nibberling, Petrus Hendricus
 4       Hiemstra, Pieter Sicco
 5       Van den Barrselaar, Maria Theodora
 6       Pauwels, Ernest Karl Jacob
 7       Feitsma, Rolf Ide Johannes
 9 <120> TITLE OF INVENTION: Antimicrobial Peptides Derived From Ubiquicidine
11 <130> FILE REFERENCE: Nibberling et al.
13 <140> CURRENT APPLICATION NUMBER: 09/424,815
14 <141> CURRENT FILING DATE: 2000-04-10
16 <150> PRIOR APPLICATION NUMBER: PCT/NL98/00311
17 <151> PRIOR FILING DATE: 1998-05-29
19 <150> PRIOR APPLICATION NUMBER: NL 1006164
20 <151> PRIOR FILING DATE: 1997-05-29
22 <160> NUMBER OF SEQ ID NOS: 9
24 <170> SOFTWARE: PatentIn Ver. 2.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 59
28 <212> TYPE: PRT
29 <213> ORGANISM: Unknown Organism
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Description of Unknown Organism: Mammalian
34 <400> SEQUENCE: 1
35 Lys Val His Gly Ser Leu Ala Arg Leu Gly Lys Val Arg Gly Gln Thr
36   1               5                  10                  15
38 Pro Lys Val Ala Lys Gln Gln Lys Lys Lys Lys Thr Gly Arg Ala
39              20                  25                  30
41 Lys Arg Arg Met Gln Tyr Asn Arg Arg Phe Val Asn Val Val Pro Thr
42          35                  40                  45
44 Phe Gly Lys Lys Lys Gly Pro Asn Ala Asn Ser
45      50                  55
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 16
50 <212> TYPE: PRT
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 1-18
56 <400> SEQUENCE: 2
57 Lys Val His Gly Ser Leu Ala Arg Ala Gly Lys Val Arg Gly Gln Thr
58   1               5                  10                  15
61 <210> SEQ ID NO: 3
62 <211> LENGTH: 13
63 <212> TYPE: PRT
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 29-41
69 <400> SEQUENCE: 3
70 Thr Gly Arg Ala Lys Arg Arg Met Gln Tyr Asn Arg Arg
```

18 peptides cited, only 16 shown.

OK

RAW SEQUENCE LISTING DATE: 07/26/2000
PATENT APPLICATION: US/09/424,815 TIME: 13:51:44

Input Set : A:\ubiq.txt
Output Set: N:\CRF3\07262000\I424815.raw

142 Asn Ser
146 <210> SEQ ID NO: 9
147 <211> LENGTH: 6
148 <212> TYPE: PRT
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 36-41
154 <400> SEQUENCE: 9
155 Met Gln Tyr Asn Arg Arg
156 1 5

OK

RAW SEQUENCE LISTING DATE: 07/26/2000
PATENT APPLICATION: US/09/424,815 TIME: 13:51:44

Input Set : A:\ubiq.txt
Output Set: N:\CRF3\07262000\I424815.raw

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71   1               5                   10
74 <210> SEQ ID NO: 4
75 <211> LENGTH: 12
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 18-29
82 <400> SEQUENCE: 4
83 Lys Val Ala Lys Gln Gln Lys Lys Lys Lys Lys Thr
84   1               5                   10
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 16
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 18-35
95 <400> SEQUENCE: 5
96 Lys Val His Gly Ser Leu Ala Arg Ala Gly Lys Val Arg Gly Gln Thr
97   1               5                   10                  15
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 20
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 18-35
107       with D-alanine on both ends
109 <400> SEQUENCE: 6
110 Ala Lys Val Ala Lys Gln Gln Lys Lys Lys Lys Lys Thr Gly Arg Ala
111   1               5                   10                  15
113 Lys Arg Arg Ala
114              20
117 <210> SEQ ID NO: 7
118 <211> LENGTH: 7
119 <212> TYPE: PRT
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 29-35
125 <400> SEQUENCE: 7
126 Thr Gly Arg Ala Lys Arg Arg
127   1               5
130 <210> SEQ ID NO: 8
131 <211> LENGTH: 18
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide 42-59
138 <400> SEQUENCE: 8
139 Phe Val Asn Val Val Pro Thr Phe Gly Lys Lys Lys Gly Pro Asn Ala
140   1               5                   10                  15
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16

OK

not peptide

location 18-35.

OK 18 peptides cited

16 shown.

OK

18 peptides cited, only 16 shown (42-57)

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/424,815

DATE: 07/26/2000
TIME: 13:51:45

Input Set : A:\ubiq.txt
Output Set: N:\CRF3\07262000\I424815.raw